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ABSTRACT

The selected, partially annotated bibliography lists 225 journal articles, papers, and reports on transportation for the handicapped. References were published from 1969 through 1974 and are arranged into the following subject categories: general, government activities, accessibility, air travel, mass transit, automobiles (driver education and special parking needs), special equipment (vehicles and assistive), transportation and the blind, and transportation and the elderly. Also provided are availability information and indexes by individual (author), corporate source, and geographic location. (DB)

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TRANSPORTATION FOR THE HANDICAPPED

Selected References

Bibliographic List No. 8

April 1975

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
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INTRODUCTION

This is a selected, partially annotated listing of journal articles, papers and reports on the subject of transportation for the handicapped, updating Bibliographic List No. 1 issued by the Department of Transportation Library in November 1969.

Time covered: 1969 - 1974.

Scope: Transportation for the physically handicapped and elderly. Material on mobility and assistive aids thereto is selectively included as considered relevant.

Arrangement: Subject categories, individual, corporate source and geographic indexes.

Sources consulted:

AEROSPACE MEDICINE AND BIOLOGY, 1970 cumu. v. - Supp. 134, Nov. 1974. Published by the U.S. National Aeronautics and Space Administration. Springfield, Va., National Technical Information Service, 1970 - 1974.

AIR UNIVERSITY LIBRARY INDEX TO MILITARY PERIODICALS, v. 20 no. 4, Jan-Dec 1969 - v. 25 no. 4, Jan-Dec 1974. Maxwell Air Force Base, Ala., Air University Library, 1969 - 1974.

APPLIED SCIENCE AND TECHNOLOGY INDEX, 1969 cumu. v. - v. 62 no. 11, Dec 1974. New York, Wilson, 1969 - 1974.

BRITISH TECHNOLOGY INDEX, 1969 cumu. v. - v. 13 no. 12, Dec 1974. London, The Library Association, 1969 - 1974.

BUSINESS PERIODICALS INDEX, Jul 69-Jun 70 cumu. v. - v. 17 no. 2, Oct 1974. New York, Wilson, 1969 - 1974.

CATALOG OF THE TRANSPORTATION CENTER LIBRARY. Published by the Northwestern University Transportation Center. Boston, Hall, 1972.

CUMULATIVE BOOK INDEX, WORLD LIST OF BOOKS IN THE ENGLISH LANGUAGE, 1969 cumu. v. - v. 77 no. 11, 1974.
New York, Wilson, 1969 - 1974.

CURRENT LITERATURE IN TRAFFIC AND TRANSPORTATION, v. 10, 1969 - v. 15, 1974. Evanston, Ill., Northwestern University Transportation Center Library, 1969 - 1974.

GOVERNMENT REPORTS INDEX, 1969 cumu. v. - v. 74 no. 26, Dec 27 1974.
Springfield, Va., National Technical Information Service, 1969 - 1974.

INDEX MEDICUS, 1969 cumu. v. - v. 15 no. 12, Dec 1974.
Published by the U.S. National Library of Medicine.
Washington, D.C., U.S. Gov't. Printing Office, 1969 - 1974.

LIBRARY OF CONGRESS CATALOG, BOOKS: SUBJECTS: A CUMULATIVE LIST OF WORKS REPRESENTED BY LIBRARY OF CONGRESS PRINTED CARDS, 1970 - Jul-Sep 1974.
Washington, D.C., U.S. Library of Congress, 1970 - 1974.

MONTHLY CATALOG OF UNITED STATES GOVERNMENT PUBLICATIONS, 1969 cumu. v. - Oct 1974.
Washington, D.C., U.S. Gov't. Printing Office, 1969 - 1974.

NEW YORK TIMES INDEX, 1969 cumu. v. - Dec 16-31 1974.
New York, N.Y. Times Company, 1969 - 1974.

PUBLIC AFFAIRS INFORMATION SERVICE BULLETIN, v. 55, Oct 68-Sep 69 - v. 61 no. 12, Jan 4 1975.
New York, Public Affairs Information Service, Inc., 1969 - 1975.

READER'S GUIDE TO PERIODICAL LITERATURE, v. 29, May 69-Feb 70 - v. 74 no. 19, Dec 25 1974.
New York, Wilson, 1969 - 1974.

SOCIAL SCIENCES INDEX, v. 1 no. 1 - v. 1 no. 3, 1974.
New York, Wilson, 1974.

SOCIAL SCIENCES AND HUMANITIES INDEX, v. 23, Apr 69-Mar 70 - v. 27, Apr 73-Mar 74.
New York, Wilson, 1969 - 1974.

Availability of publications:

Those publications not in the Department of Transportation Library are indicated by an asterisk preceding the citation. The staff of this library will gladly assist DOT personnel in locating desired items through interlibrary loan.

Individuals outside the Department of Transportation are urged to consult their local libraries for assistance. The Department of Transportation Library does not supply copies of publications cited in this bibliography.

Certain publications are available for purchase from the following sources:

National Technical Information Service (NTIS) 5285 Port Royal Road Springfield, Virginia 22151	Order by AD- or PB-number
Superintendent of Documents U.S. Government Printing Office Washington, D.C. 20402	Order by GPO number

Compiled by:
Anne B. La Foy

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I. General

* 1. Albert, Bernard W. TRAVEL: ANOTHER ASPECT OF REHABILITATION. Rehabilitation Record, v. 13, May-Jun 1972, p. 39-40.
Moss Rehabilitation Hospital, Philadelphia, has prepared and disseminated a folder on travel information for handicapped.

* 2. Bean, William. TRANSPORTATION OVERVIEW. Rehabilitation Record, v. 13, Jul-Aug 1972, p. 1-6.
Discussion of means of mobility for both mini-trips and point-to-point travel - from wheelchairs to automobiles and various modes of public transportation. Legislative efforts attest to recognition of extent and impact of problems.

* 3. Brattgard, S. O. TRANSPORTATION SERVICE AND COORDINATION IN PROBLEMS OF THE HANDICAPPED. Lakartidningen, v. 67, Nov 11 1970, p. 5326-7. (Swedish)

4. Carter, J. W. SHIPBOARD MEDICINE ON PACKAGE CRUISES. British Medical Journal, v. 1, Feb 26 1972, p. 553-6.
Describes intensified difficulties for both patients and doctors in properly treating shipboard illnesses; suggests package cruises often not suitable for elderly, handicapped and mentally unfit.

5. HANDICAPPED MAN PROVIDES TRANSPORTATION SERVICE FOR OTHER SIMILARLY DISABLED PERSONS. Traffic Safety, v. 71 no. 2, Feb 1971, p. 29.
Handicabs of Milwaukee with handicapped owner-manager provides transportation for handicapped school children and adults.

6. Highway Research Board. TRANSIT FOR THE POOR, THE AGED AND THE DISADVANTAGED. Its Highway Research Record No. 403, 1972, 53 p. (Main TE 5.3.H5A31 No. 403)
Eight reports examine transportation constraints that inhibit mobility; recommend planning programs at various governmental levels.

7. IMPROVING TRAVEL FOR THE HANDICAPPED. (By) Joel Sleed. The Washington Post, Nov 3 1974, Section E, p. 14:1.
Special help, special diets are available if transportation companies are advised in advance.

* 8. Jones, Phillip R. TRANSPORTATION SERVICES FOR THE RETARDED. IN Scheerenberger, R. C. Mental retardation, selected conference papers. Springfield, Ill., State Department of Mental Health, Division of Mental Retardation Services, 1969, p. 161-6.
Experience in providing transportation for handicapped children in Champaign community schools provides basis for examining methods, problems and costs of such transport.

9. Lamminen, Toivo. TRANSPORTATION FOR THE HANDICAPPED. New Brunswick, N. J., Rutgers University, Sep 1969, 103 p. (Main HE 199.9.H2L27)
Report by the Center for Transportation Studies, Eagleton Institute of Politics of the State University of New Jersey.

* 10. Lauder, R. THE GOAL IS MOBILITY. Rehabilitation Record, v. 10, Sep-Oct 1969, p. 8-15.
Excerpts from paper treating physical factors in the environment that prevent disabled people from making maximum use of their potential for normal living. Suggestions for remedial action applied to housing, streets, buildings and various modes of transportation. (See also #24)

11. Mandella, Joseph L. and Harry A. Schweikert, Jr. MOBILITY FOR PHYSICALLY IMPAIRED PERSONS. Defense Transportation Journal, v. 28 no. 4, Jul-Aug 1972, p. 63-7.
Article examines all modes of transport, pointing up shortcomings with respect to the unsteady and the wheelchairbound.

12. Manus, Gerald and Menahem Less. FEASIBILITY STUDY ON TRANSPORTATION FOR THE HANDICAPPED. (Human Resources Study No. 16). Albertson, N.Y., Human Resources Center, 1972, 127 1. (Main TEA 6261.D5M36)
Explores programs to enhance opportunity for disabled persons to become contributors to society with help of personal and public transportation.

13. Ringe, Jeanne Weber. TRANSPORTATION FOR THE ELDERLY OR PHYSICALLY HANDICAPPED. Springfield, Va., National Technical Information Service, 1974, 25 1. (COM-74-10887/9GA) (Z 6663.A3R57)
Bibliography with abstracts.

14. Schweikert, Harry A., Jr. MOBILITY NEEDS FOR PHYSICALLY IMPAIRED PERSONS. Washington, D.C., Paralyzed Veterans of America, Inc., Nov 1969, 36 p. (Main HE 199.9.H2S3)

Identifies problems and needs in all modes of transport, with special attention to drivers and their disabilities, records, legal rights, licensing and insuring, training and education.

15. SIX MONTH STUDY IS BEGUN IN HUNTINGTON, L.I. TO DETERMINE TRANSPORTATION NEEDS OF HUNTINGTON RESIDENTS AND EVOLVE REMEDIAL PLAN... TO INCLUDE SENIOR CITIZENS, HANDICAPPED PERSONS, ETC. New York Times, May 20 1973, p. 121:1.

16. TRAVEL FOR HANDICAPPED; ACTIONS BY AGENCIES, PAN AM, FAA, MOTELS; LIST OF AGENCIES SPONSORING TOURS. New York Times, Aug 24 1973, p. 35:1.

17. Upper Great Lakes University Consortium for Transportation Research. BACKGROUND-RESOURCE PAPER. COUNCIL ON TRANSPORTATION NEEDS OF THE AGED AND HANDICAPPED. (Prepared by) Arthur C. Vicory (and others), Houghton, Michigan, Michigan Technological University, 1973, 81 p. (Main HE 209.U778)

Provides resource material for development of transportation proposals for tri-state region. Evaluates federal and state legislation and certain special projects.

* 18. Voorhees, Alan M. and Assoc., Inc. A TRANSPORTATION PROGRAM TO DEMONSTRATE SERVICE TO THE ELDERLY AND HANDICAPPED. Prepared for the City of Cranston, Rhode Island, Apr 1972, 75 p.

Description of demonstration project to test ability of one community to provide transport to those deprived because of physical condition or income level. Recommendations for program detailing organization, equipment, operations and public relations.

* 19. Weingold, Joseph T. UNBINDING THE HOMEBOUND THROUGH MOBILITY. Rehabilitation Record, v. 13, Jul-Aug 1972, p. 11-13.

Concept of "homebound" in today's advanced society is outdated. Concerted effort toward legislation and funding can provide mobility which helps bring individuals up to their maximum capacity.

II. Government Activities.

20. ABT Associates, Inc. TRAVEL BARRIERS - TRANSPORTATION NEEDS OF THE HANDICAPPED. Prepared for U.S. Dep't. of Transportation, Office of Economics & Systems Analysis. Cambridge, Mass., Aug 1969, 311 p. (PB 187 327) (HE 203.A28)

Study to determine extent to which public transport is inaccessible to physically handicapped, formulate requirements, propose alternative responses and assess impact of solutions.

21. FAA STUDYING HANDICAPPED SAFETY RULES. Aviation Week and Space Technology, v. 99 no. 16, Oct 15 1973, p. 28. (See also section on Air Travel)

Hearings being held to aid in developing uniform standards by which to accommodate the physically handicapped on board aircraft without compromising their safety and the safety of others.

22. H. R. APPROVES BIAGGI AMENDMENT TO FEDERAL URBAN MASS TRANSIT BILL REQUIRING TRANSIT SYSTEMS TO USE SPECIAL DESIGN FEATURES FOR HANDICAPPED. New York Times, Sep 30 1970, p. 85:6.

23. Interdisciplinary Workshop on Transportation and Aging, Washington, D.C., 1970. TRANSPORTATION AND AGING, SELECTED ISSUES. Based on proceedings of the Interdisciplinary Workshop on Transportation and Aging, Washington, D.C., May 24-26 1970. Edited by Edmund J. Cantilli and June L. Shmelzer. Washington, D.C., U.S. Gov't. Printing Office, 1971, 208 p. (DHEW pubn. no. (SRS) 72-20232) (GPO HE 17.302:T68 - S/N 1762-0042) (Main HE 199.9.A4C65 1970a)

Joint participation by Polytechnic Institute of Brooklyn, Dep'ts. of HEW, HUD and DOT in conference workshop was first of its kind to bring together social scientists, gerontologists and transportation specialists to study mobility problems of aging and to develop design and operating guidelines to meet their needs.

* 24. Lauder, Ruth. THE GOAL IS: MOBILITY! ENVIRONMENTAL AND TRANSPORTATION BARRIERS ENCOUNTERED BY THE DISABLED. Prepared for the National Citizens Conference on Rehabilitation of the Disabled and Disadvantaged. U.S. Dep't. of Health, Education and Welfare, Social and Rehabilitation Service. Washington, D.C., U.S. Gov't. Printing Office, 1970, iv + 72 p. (GPO HE 1720:M71)

Publication is summarized in article appearing as #10.

25. Mark Battle Associates, Inc. TRANSPORTATION FOR THE ELDERLY AND THE HANDICAPPED. Prepared for National Urban League under Grant Nr. DOT-UT-533, U.S. Dep't. of Transportation, Urban Mass Transportation Administration, Washington, D.C., Jul 1973, 189 p. (PB 225 285/6AS) (Main HE 4451.M32)

Four city sampling of responsiveness of transit systems to needs, with recommendations for service and system improvements.

26. National Capital Region Transportation Planning Board. TRANSPORTATION NEEDS OF SPECIAL URBAN GROUPS. Its Information Report No. 17. Washington, D.C., 1969, 11 p. (Main TEA 5537.N28 No. 17)
Identifies needs of "special urban groups" including handicapped with potential for evaluation of deficiencies in transportation services for these special segments of the population in the Washington, D.C. area.

27. P.L. 91-205. H.R. 14464, ACT TO AMEND ACT OF AUGUST 12, 1968 TO INSURE THAT CERTAIN FACILITIES CONSTRUCTED UNDER AUTHORITY OF FEDERAL LAW ARE DESIGNED AND CONSTRUCTED TO BE ACCESSIBLE TO THE PHYSICALLY HANDICAPPED. Approved Mar 5 1970, 1 p. (Supt. of Doc'ts. Public Laws, 91st Congress. 205)

28. P.L. 92-515. H.R. 11032, ACT TO ENABLE BLIND AND OTHERWISE PHYSICALLY DISABLED TO PARTICIPATE FULLY IN SOCIAL AND ECONOMIC LIFE OF DISTRICT OF COLUMBIA. Approved Oct 21 1972, 3 p. (Supt. of Doc'ts. Public Laws, 92nd Congress. 515)

29. UMTA PROGRAMS ASSIST PUBLIC TRANSPORTATION FOR THE ELDERLY AND THE HANDICAPPED. Highway and Urban Mass Transportation, Summer 1972, p. 32-3.
Section 16 of the Urban Mass Transportation Act of 1964 states that 1½% of total funding of UMTA programs may be set aside to assist state and local public bodies and agencies in providing mass transportation facilities and services for elderly and handicapped passengers. Article mentions BART and other UMTA-aided projects.

30. U.S. Congress. House. A BILL TO PROVIDE A DEDUCTION FOR INCOME TAX PURPOSES IN THE CASE OF DISABLED INDIVIDUAL FOR EXPENSES FOR TRANSPORTATION TO AND FROM WORK, AND TO PROVIDE AN ADDITIONAL EXEMPTION FOR A TAXPAYER OR SPOUSE WHO IS DISABLED. H.R. 196. 91st Congress, 1st sess. Jan 3 1969, 6 p.

31. U.S. Congress. House. Committee on Public Works. ACCESSIBILITY TO PHYSICALLY HANDICAPPED OF CERTAIN PUBLIC FACILITIES. Report No. 91-750 to accompany H.R. 14464. 91st Congress, 1st sess. Dec 12 1969, 3 p.

32. U.S. Congress. House. Committee on Public Works. Subcommittee on Public Buildings and Grounds. DESIGN AND CONSTRUCTION OF FEDERAL FACILITIES TO BE ACCESSIBLE TO THE PHYSICALLY HANDICAPPED: HEARINGS, Dec 9 1969, on H.R. 14464. 91st Congress, 1st sess. 1970, iii / 55 p. (Com. Pub. No. 91-23)

33. U.S. Congress. House. Committee on Public Works. Subcommittee on Public Buildings and Grounds. TO CONSIDER ACCOMMODATIONS FOR HANDICAPPED ON METRO SYSTEM (DISTRICT OF COLUMBIA): HEARINGS, Jun 29 1972. 92d Congress, 2d sess. iii / 73 p. (Com. Pub. No. 92-43)

34. U.S. Congress. Senate. A BILL TO PROVIDE A DEDUCTION FOR INCOME TAX PURPOSES IN THE CASE OF A DISABLED INDIVIDUAL FOR EXPENSES FOR TRANSPORTATION TO AND FROM WORK; AND TO PROVIDE AN ADDITIONAL EXEMPTION FOR INCOME TAX PURPOSES FOR A TAXPAYER OR SPOUSE WHO IS DISABLED. S. 1069. 91st Congress, 1st sess. Feb 18 1969, 6 p.

35. U.S. Congress. Senate. Committee on Public Works. ACCESSIBILITY TO PHYSICALLY HANDICAPPED OF CERTAIN PUBLIC FACILITIES. Report No. 91-658 to accompany H.R. 14464. 91st Congress, 2d sess. Feb 6 1970, 3 p.

36. U.S. Congress. Senate. Special Committee on Aging. A BARRIER-FREE ENVIRONMENT FOR THE ELDERLY AND THE HANDICAPPED: HEARINGS, Pts. 1-3, Oct 18-20 1971. 92d Congress, 1st sess. Washington, D.C., U.S. Gov't. Printing Office, 1972, 3 pts., 207 p. (GPO Y4.Ag4: En8/pt. (nos.))

37. U.S. Congress. Senate. Special Committee on Aging. OLDER AMERICANS AND TRANSPORTATION: A CRISIS IN MOBILITY. Rep't. No. 91-1520, Dec 1970. 91st Congress, 2d sess. Washington, D. C., U.S. Gov't. Printing Office, 1970, viii / 113 p.

38. U.S. Congress. Senate. Special Committee on Aging. TRANSPORTATION AND THE ELDERLY: PROBLEMS AND PROGRESS: HEARINGS, Pts. 1-4, Feb 25-28 and Apr 9 1974. 93d Congress, 2d sess. Washington, D.C., U.S. Gov't. Printing Office, 1974, 4 pts., 349 p.

* 39. U.S. Dep't of Health, Education and Welfare. Social and Rehabilitation Service. PHYSICAL IMPAIRMENTS AND THE LICENSE TO DRIVE. Washington, D.C., 1971, 4 p.

40. U.S. Dep't. of Transportation. REPORT TO THE CONGRESS OF THE U.S. ON URBAN TRANSPORTATION POLICIES AND ACTIVITIES. Prepared jointly

with U.S. Dep't. of Housing and Urban Development. 1974, 40 p. (Main TEA 5000.U7A5 (yr))

At publication date, this is latest in series of annual reports (since 1972) documenting cooperative efforts on legislative proposals, policies and activities to assure that urban systems serve transportation needs of all.

* 41. U.S. Dep't. of Transportation. National Highway Traffic Safety Administration. DRIVER EDUCATION FOR THE HANDICAPPED Prepared under contract #SEE 35-009-71 by Southern Illinois University Safety Center, Carbondale, Ill., 1971, 2 v.

v. 1 Resource curriculum - driver education teacher preparation

v. 2 Resource guide

(Available from: State of Illinois, Office of Sup't. of Public Instruction, Driver Education Section, Springfield, Ill.)

42. U.S. Dep't. of Transportation. Office of the Secretary. TRAVEL BARRIERS. Washington, D. C., May 1970, 46 p. (HE 203.U76)

Summarizes findings of research program sponsored by Office of Secretary of Transportation as result of its concern for accessibility of public transportation to all Americans. For fuller discussion and for planning purposes, see report itself at #20.

43. U.S. Dep't. of Transportation. Transportation Systems Center and Urban Mass Transportation Administration. THE HANDICAPPED AND ELDERLY MARKET FOR URBAN MASS TRANSIT. EXECUTIVE SUMMARY. Washington, D.C., Jul 1973, 26 p. (PB 222 828/6 (Main HE 4451. U794)

Brief description of status, existing services, transit needs and demands of elderly and handicapped. Innovative systems such as Dial-a-Ride, transit stamps, etc. are discussed. First of two studies, second of which, with detailed findings and census data, appears below.

44. U.S. Dep't. of Transportation. Transportation Systems Center and Urban Mass Transportation Administration. THE HANDICAPPED AND ELDERLY MARKET FOR URBAN MASS TRANSIT. Washington, D.C., Oct 1973, 178 p. (PB 224 821/9GA) (Main HE 4451.U7941)

Information on transit characteristics of elderly and handicapped population: size and spatial distribution, current availability of transportation compared to spatial distribution; actual use; potential use dependent on implementation of changes in service.

45. U.S. Dep't. of Transportation. Urban Mass Transportation Administration. THE ADDITIONAL COST OF PROVIDING MOBILITY FOR THE ELDERLY AND HANDICAPPED ON THE WASHINGTON METROPOLITAN RAIL RAPID TRANSIT SYSTEM. Washington, D.C., May 1973, 48 p. (PB 223 108/2) (Main HE 4491.W3U7)

Estimates cost of adding elevators and associated equipment to meet special needs of handicapped and elderly users.

46. U.S. Dep't. of Transportation. Urban Mass Transportation Administration. PUBLIC TRANSPORTATION FOR THE ELDERLY AND THE HANDICAPPED. Washington, D.C., 1971, 5 p. (Main HE 4451.U792)

List of accomplishments by UMTA to provide for public transit needs of elderly and handicapped as of Mar 1972; these include: research, development and demonstration; service provided and programmed; capital grants.

*47. U.S. Dep't. of Transportation. Urban Mass Transportation Administration. TRANSPORTATION FOR THE ELDERLY. Bibliography by Patricia Cass. n.d., processed, 6 p.

63 citations, 1964-72, books, reports, articles. Not annotated.

*48. U.S. Dep't. of Transportation. Urban Mass Transportation Administration. TRANSPORTATION FOR THE HANDICAPPED. Bibliography by Patricia Cass. n.d., processed, 13 p.

199 citations, 1959-72, books, reports, articles. Not annotated. Includes the disabled, physically handicapped, blind, and elderly.

*49. U.S. National Park Service. NATIONAL PARK GUIDE FOR THE HANDICAPPED. Washington, D.C., U.S. Gov't. Printing Office, 1971, 79 p. (GPO 129.9/2:H19, S/N 2405-00286)

*50. U.S. President's Committee on Employment of the Handicapped. DESIGNING PUBLIC TRANSPORTATION FOR USE BY THE HANDICAPPED. (By) Edward H. Noakes. Reprinted from Performance, monthly publication of the Committee. Washington, D.C., U.S. Gov't. Printing Office, 1969, 4 p. (PrEx1.10/3a:T687)

*51. U.S. President's Committee on Employment of the Handicapped. A LIST OF GUIDEBOOKS FOR HANDICAPPED TRAVELERS. 3d ed. 1972.

52. U.S. President's Committee on Mental Retardation. TRANSPORTATION AND THE MENTALLY RETARDED. Washington, D.C., U.S. Gov't. Printing Office, Jun 1972, iv / 58 p. (DHEW Pub. (OS)72-40) (GPO Pr36.8:M52/T68) (Main HE 199.9.H2U67)
Recommends ameliorative programs and facilities in two major problem areas: 1) development of independent travel, and 2) improvement of dependent travel.

* 53. U.S. President's Task Force on the Physically Handicapped. A NATIONAL EFFORT FOR THE PHYSICALLY HANDICAPPED: THE REPORT. Washington, D.C., U.S. Gov't. Printing Office, Jul 1970, vi / 34 p. (GPO Pr37.8:P56/R29)

54. White House Conference on Aging, 1971. TRANSPORTATION: BACKGROUND, (by) Joseph S. Revis; ISSUES, (by) the Technical Committee on Transportation with the collaboration of the author. Thomas C. Morrill, Chairman. Washington, D.C., U.S. Gov't. Printing Office, Mar 1971, viii / 51 p. (GPO Y3.W58/4:2T68/2; S/N 5247-0024) (Main HQ 1064. U5W56 No. 15)
Discusses needs, goals, present knowledge on problems of elderly. Sets forth issues relevant to improvement so as to focus discussion on development of recommendations toward adoption of national policies.

III. Accessibility.

55. ABT Associates, Inc. ACCESSIBILITY OF THE METROPOLITAN WASHINGTON, D.C. PUBLIC TRANSPORTATION SYSTEM TO THE HANDICAPPED AND ELDERLY. Final report. Cambridge, Mass., 1972, 150, (68) 1. (PB 231 815/2GI) (Main HE 4491.W3A23)
Experiences of 250 handicapped and/or elderly citizens help provide guidelines for design and performance standards in new transit system.

* 56. Browning, A. HIGH SPEED PEDESTRIAN CONVEYORS. Proceedings of the Royal Society of Medicine, v. 65, Jul 1972, p. 614.
Disabled participate in tests to determine how particular disabilities affect performance on 10 mph conveyor.

57. Curry, James P. PROVIDING TRANSPORTATION FOR PERSONS WITH LIMITED MOBILITY IN SUBURBAN AREAS. IN Highway Research Board. Transit for the poor, the aged and the disadvantaged. Its Highway Research Record no. 403, 1972, p. 47-8. (Main TE 5.3.H5A3? No. 403)
For one suburban California county survey points to feasibility of a limited service, dial-a-bus system to complement high speed BART.

58. DESIGNING FOR THE DISABLED. Railway Gazette International (Great Britain), v. 127 no. 11, Nov 1971, p. 440-2.
British Railways makes design changes and modifications to existing facilities. Discusses other European rail transport plans as well as those of Washington Metro system.

* 59. Dwoskin, Stephen. THE DISABLED'S ENCOUNTER WITH THE ENVIRONMENT. Design and Environment, v. 1 no. 2, Summer 1970, p. 60-3.
How designers can make it easier for disabled to get around with only minor modifications to environmental details in cars, curbs, stairs, ramps, etc.

* 60. Evans, V. G. HOLIDAY PROBLEMS OF THE DISABLED. Community Health (Bristol), v. 3 no. 4, Jan-Feb 1972, p. 169-70.
Hints from a disabled person on air/land/sea holiday travel.

61. HANDICAPPED TO BE CONSIDERED IN BUILDING DESIGN (California). Engineering News-Record, v. 187, Nov 4 1971, p. 16.
California legislation requires new buildings over 10,000 sq. ft. to provide ramps and other provisions of ANSI code.

* 62. Henning, D. N. CONSIDERATION OF THE PHYSICALLY DISABLED. Canadian Building Digest, CBD 135, Mar 1971, entire issue, 4 p.
Characteristics of disabled persons should be considered at design stages of buildings; even minor modifications can result in facilities suitable for both able and many of the disabled population.

* 63. Hogan, Jane. REST AREAS NOW DESIGNED FOR EASY USE BY HANDICAPPED. Highway Highlights (Kansas), v. 34 no. 10, Nov 1973, p. 15.
Rest areas with doors wide enough for wheelchairs; ramps and railings now included in Kansas state design.

* 64. Jacobs, Irene D. LEGISLATIVE ACTION. CURB ON CURBS. Journal of Rehabilitation, v. 38, Sep-Oct 1972, p. 19-21.
Legislative effort to outlaw architectural barriers on state and municipal levels.

65. K. DIRLAN LETTER ON AUG 24 ARTICLE ON TRANSPORTATION FOR THE HANDICAPPED NOTES RECENT IMPROVEMENTS MADE BY PENN CENTRAL NEW HAVEN DIVISION RE RAMPS. New York Times, Sep 13 1973, p. 46:4.

* 66. LATEST FACILITIES FOR HANDICAPPED ALONG STATE HIGHWAYS. Minnesota Highways, v. 20 no. 2, Feb 1972, p. 7.
Special aids for handicapped travelers built into 24 roadside rest areas make them relatively barrier-free. List of locations included.

67. LETTER URGES MORE ESCALATORS TO HELP AGED OR INFIRM USE SUBWAYS. New York Times, Jan 11 1969, p. 32:6.

* 68. National Swedish Institute for Building Research, Stockholm. ACCESSIBLE TOWNS. WORKABLE HOMES. PLANNING WITH CONSIDERATION FOR THE HANDICAPPED. 1972, 34 p. PB 212 775.
A handicap is a combination of physical disability and deficiencies of the environment. Planners must concentrate on providing both indoor and outdoor environments that are accessible to all groups of the population.

69. ORDER RAMPS AT CROSSINGS. Michigan Roads and Construction, v. 70 no. 34, Aug 23 1973, p. 5.
Sidewalk ramps to aid physically handicapped persons will be incorporated into all new construction where state highways intersect with crosswalks.

70. PROBLEMS THAT HANDICAPPED PERSONS FACE WHEN THEY TRAVEL BY PUBLIC MEANS IN U.S. DISCUSSED... New York Times, Nov 28 1971, Section V, p. 17:1.

* 71. REMOVING BARRIERS FROM THE PATHWAYS OF THE HANDICAPPED. Human Needs, v. 1 no. 8, Feb 1973, p. 28.

* 72. Sahaj, Lynn. MOBILITY FOR THE DISADVANTAGED. Transportation Topics for Consumers (U.S. Dep't. of Transportation), v. 1 no. 4, Nov 1973, p. 1, 4-5 ff.
UMTA program focuses on needs of persons with special problems.

IV. Air Travel.

73. AIR TRANSPORT ASSOCIATION ANNOUNCING PROGRAM TO FACILITATE FLIGHTS OF PASSENGERS' PETS LETS SEEING-EYE DOGS IN PASSENGER CABIN FREE OF CHARGE. New York Times, May 12 1969, p. 93:4.

74. AIR TRAVEL BY THE HANDICAPPED. Editorial, The Washington Post, Jun 1 1974, p. 10:1.
Urges FAA to find solutions, consistent with safety, to haphazard discrimination often suffered at airports by handicapped.

75. ARTICLE ON NEW POLICY OF U.S. AIRLINES EASING POLICIES GOVERNING TRANSPORT OF PARAPLEGIC OR OTHER HANDICAPPED PASSENGERS... New York Times, Apr 15 1973, p. 58:2.

76. Belton, Robert O. HANDLING HANDICAPPED PASSENGERS. IN International Air Safety Seminar, 25th, Washington, D.C., Oct 16-18, 1972. Washington, D.C., Flight Safety Foundation, 1972, p. 87-90. (TL 720.5.A73 1972)
Recommended seating arrangement and emergency evacuation procedures for air travel by handicapped passengers.

77. CAB TO STANDARDIZE FARES FOR DISABLED. Aviation Week & Space Technology, v. 101 no. 7, Aug 19 1974, p. 34.

78. FAA DRAFTS RULES TO AID HANDICAPPED. The Washington Post, May 23 1974, Section C, p. 1:1.

79. FAA RULES WILL AID DISABLED. (By) Stephen Green. The Washington Post, Jul 4 1974, Section B, p. 1:8.
Proposed-rule making to amend Federal Aviation Regulations Parts 121 and 135 to provide rules for safe carriage of persons who, because of physical condition, may require the assistance of another person during an emergency evacuation.

80. HANDICAPPED PERSONS OPPOSE PROPOSED AIRLINE RESTRICTIONS. (By) Keith Butler. The Washington Post, Jul 26 1974, Section C, p. 1:1.

81. HANDICAPPED WOMAN PILOT DENIED SEAT. (By) Stephen Green. The Washington Post, Jul 29 1974, Section C, p. 1:8.

82. HELPING HAND FOR HANDICAPPED (TERMINAL PLANNING AT DALLAS/FT. WORTH REGIONAL AIRPORT). Airport World, v. 5 no. 2, Feb 1972, p. 15.

83. Hogsett, Stanley G. AIRLINE TRANSPORTATION FOR THE HANDICAPPED AND DISABLED: A SURVEY OF POLICIES OF 22 DOMESTIC AIRLINES. Chicago, National Easter Seal Society for Crippled Children and Adults, 1971, 45 p.
Document prepared as a guideline for anyone called upon to advise or plan air travel for disabled and handicapped. Information presented in easy-to-use tabular form and followed by basic recommendations for prospective traveler.

84. Mohler, Stanley R. and Joseph A. Sirkis. AIRPORT MEDICAL DESIGN GUIDE (WITH COMMENT ON CERTAIN OPERATIONAL MATTERS). Aerospace Medicine, v. 43 no. 8, Aug 1972, p. 903-11.
Specific biologically supported design features are suggested for incorporation in air terminal design to accommodate physically handicapped, chronically ill, elderly, infirm and emotionally disturbed persons.

85. PAN AM WILL OFFER SPECIAL GROUP TOURS OF EUROPE AND HAWAII FOR PHYSICALLY DISABLED TO BEGIN EARLY 72 ... New York Times, Dec 12 1971, Section X, p. 4:5.

86. PARAPLEGICS AIR RULE CLARIFIED. The Washington Post, May 24 1974, Section C, p. 4:1.

87. Puglisi, Frank J. WHEELCHAIRS TAKE WING. FAA World, v. 4 no. 6, Jun 1974, p. 8-9.
First organized pilot training program for paraplegics and amputees begun by FAA General Aviation District Office in Richmond, Va.

88. Schleichkorn, Jacob S. CARRIAGE OF THE PHYSICALLY HANDICAPPED ON DOMESTIC AND INTERNATIONAL AIRLINES: A REPORT ON THE POLICIES, RULES AND REGULATIONS AFFECTING TRAVEL OF THE HANDICAPPED. New York, United Cerebral Palsy Assoc., 1972, 44 p.

89. TWO AIRLINES DENY SEAT TO PARAPLEGIC. (By) Stephen Green. The Washington Post, May 22 1974, Section B, p. 1:1.

90. Yanowitch, Robert E. and Joseph A. Sirkis. AIR TRAVEL AND THE HANDICAPPED. Aerospace Medicine, v. 45 no. 8, Aug 1974, p. 879-82.
Problems of handicapped air travelers treated from both physiological and psychological viewpoints. Improvements in travel for the handicapped can only result from education of both carriers and travelers to needs of each other.

V. Mass Transit.

91. American Institute of Architects. Potomac Valley Chapter. BARRIER FREE RAPID TRANSIT; final report of the American Institute of Architects to U.S. Social and Rehabilitation Service Administration for the President's Committee on Employment of the Handicapped. Silver Spring, Md., 1969, 1 v. unpaged. (HE 4491.W3A74) Also IN Potomac Valley Architect, v. 3. no. 2, Sep-Oct 1969, entire issue.

92. BART SYSTEM WILL SERVE ALL OF THE HANDICAPPED. Rapid Transit (San Francisco Bay Area Rapid Transit District), v. 11 no. 4, Dec 1969, p. 3.
Additional $10 million will provide special elevators, escalators, anti-slip materials, special parking, special service gates, ramps, rest rooms, etc., to assure complete accessibility.

93. Cole, Leon Monroe. MULTISERVICE TRANSPORT SYSTEMS FOR URBAN MOBILITY (presented at ASCE Transportation Engineering Meeting, Washington, D.C., Jul 21-5 1969). Journal of the Urban Planning and Development Division (American Society of Civil Engineers), v. 97 no. UP-1, Apr 1971, p. 31-9.
Explication of MUST (multiservice transportation) concept for flexible supplemental transportation service, supported jointly by HUD and DOT.

*94. CONCESSIONARY FARES (ON LOCAL TRANSIT SYSTEMS FOR THE AGED AND DISABLED: GREAT BRITAIN). Labour Research, v. 60, 1971; Jul, p. 119-21; Aug, p. 138-9; Nov, p. 193-5.

95. IT'S PEOPLE THAT MATTER. Passenger Transport, v. 30 no. 25, Jun 23 1972, p. 1, 6.
Public mass transit must meet needs of all, including handicapped and elderly, is theme of three-day conference sponsored by American University and U.S. DOT's Urban Mass Transportation Administration.

96. MASS TRANSIT PLANS INCLUDE HANDICAPPED. American City, v. 85 no. 4, Apr 1970, p. 54.
Funicular lift which glides on 30° incline and fits standard escalator slot to be used in Washington, D. C. rapid transit system.

97. Mouchahoir, George E. MANAGEMENT OF A TRANSPORTATION SYSTEM FOR THE DISADVANTAGED. Traffic Quarterly, v. 28 no. 2, Apr 1974, p. 291-306.
Atlanta study reveals that social service centers suffer from lack of management, operational and planning experience in providing transportation service to clients rather than lack of funds. Recommends centralized system.

98. NY STATE DEMOCRATIC SENATE CANDIDATE OTTINGER URGES PROVISIONS FOR HANDICAPPED AND ELDERLY USERS BE BUILT INTO NEW SUBWAY CONSTRUCTION. New York Times, Oct 14 1970, p. 35:3.

99. Northwestern University. Transportation Center Library. URBAN TRANSPORTATION PLANNING REFERENCES. A CHECKLIST FOR LIBRARY COLLECTIONS. Rev. ed. Evanston, Ill., Apr 1972, 44 p. (PB 214 648/8) (Main Z 7164.T8T84 1972)
Comprehensive bibliography updating previous edition of 1970.

100. 26.5 MILLION HANDICAPPED TO NEED MASS TRANSIT AID. Traffic World, v. 155 no. 8, Aug 27 1973, p. 22.
Study recommends federal assistance on mass transit projects be contingent upon planning for handicapped and elderly; proposes two demonstration projects providing transit stamps or taxi coupons where needed.

* 101. Willson, Harold L. BARRIER-FREE RAPID TRANSIT FOR SAN FRANCISCO BAY AREA. Rehabilitation Record, v. 13, Jul-Aug 1972, p. 7-10.
Design features which make the trains accessible to, and safe for, wheel chair passengers and other handicapped or elderly riders.

* 102. Willson, Harold L. SPECIFIC CONSIDERATIONS GIVEN TO THE ELDERLY AND HANDICAPPED ON THE SAN FRANCISCO BAY AREA RAPID TRANSIT SYSTEM. Oakland, Calif., Kaiser Foundation, 7 p.

VI. Automobiles.

A. Drivers.

* 103. Aaron, J. DRIVER EDUCATION FOR THE HANDICAPPED. Carbondale, Ill., Southern Illinois University Safety Center, 1971.

104. Bardach, J. L. DRIVER EDUCATION FOR THE PHYSICALLY DISABLED: PSYCHOLOGICAL FACTORS AFFECTING DRIVING BEHAVIOR IN THE DISABLED. Medical Clinics of North America, v. 53, no. 3, May 1969, p. 692-6.
Effects of emotions, body image, intellect and perception; task of rehabilitation is to teach patients ways of recognizing and circumventing disabilities.

* 105. Bardach, J. L. PSYCHOLOGICAL FACTORS IN THE HANDICAPPED DRIVER. Archives of Physical Medicine and Rehabilitation, v. 52 no. 7, Jul 1971, p. 328-32.
Factors contributing to difficulty in training the handicapped driver are severity of motor disability, emotional problems, body-image difficulties, perceptual motor impairments and cognitive deficits. These further interact with each other in ways not yet understood.

* 106. BEST IF NOT THE MOST ABLE (AUTOMOBILE DRIVERS). Labour Gazette, v. 70, Apr 1970, p. 292-4.

* 107. California. Dep't. of Motor Vehicles. Research and Statistics Section. PHYSICALLY HANDICAPPED DRIVERS: A COMPARATIVE STUDY OF DRIVER RECORDS. (By) Dell R. Dreyer. Its Research Report 42. Sacramento, Calif., DMV, May 1973, 13 p. (PB 222 967/2)
A study of 694 physically handicapped California drivers showed they had a similar involvement in total accidents, a lesser number of convictions than the average driver, and some indication that male handicapped drivers may be involved in more fatal and injury accidents than the average male driver.

* 108. Finesilver, Sherman C. A STUDY ON DRIVING RECORDS, LICENSING REQUIREMENTS AND INSURABILITY OF PHYSICALLY IMPAIRED DRIVERS. Denver, Colo., University of Denver, College of Law, Oct 1 1970, 60 p. (PB 217 090/0)
Study revealed that, with respect to overall accident involvement, the physically impaired driver was underrepresented in accident statistics, averaged lowest in injury-producing accidents and is a superior insurance risk.

* 109. HANDICAPPED DRIVERS RANK HIGH IN NATIONAL SAFETY STUDY. Best's Review, v. 70, Mar 1970, p. 40.

* 110. Hartmann, H. THE MEDICAL EVALUATION OF PHYSICALLY HANDICAPPED AUTOMOBILE DRIVERS ON THE BASIS OF THE LEGAL REGULATIONS. Praxis, v. 60, 27 Apr 1971, p. 529-31. (German)

* 111. Hofkosh, J. M. DRIVER EDUCATION ASSESSMENT AND TRAINING PROGRAMS. Progress in Physical Therapy, v. 1, 1970, p. 75-86.

112. Hofkosh, J. M. and others. DRIVER EDUCATION FOR THE PHYSICALLY DISABLED; EVALUATION, SELECTION AND TRAINING METHODS. Medical Clinics of North America, v. 53 no. 3, May 1969, p. 685-89.
Driver education is seen as a continuum in total activities of daily living process. Patient must learn and practice techniques relating to proper use of motor vehicle as he does techniques for dressing, walking, self-care. Ultimate goal is increased mobility, new independence and return where possible to job and community.

* 113. Lehneis, H. R. THE SAFETY ACHIEVEMENTS OF THE DISABLED DRIVER. Biomedical Engineering, v. 8, Oct 1973, p. 438-9.
Independent driving may help restore patients' body image and thus help in resocialization process. Motivation is probably the strongest, but certainly not the only force in safety achievement of the disabled driver.

* 114. Long, Charles, II. THE HANDICAPPED DRIVER - A NATIONAL SYMPOSIUM. Journal of Rehabilitation, v. 40, Mar-Apr 1974, p. 34-9.
Theme of symposium was "Handicapped drivers can drive safely ... and do." This was reflected in reports on driver training, testing with simulator and on road, licensing, driver performance, insurance. Firm recommendation made for future meetings.

* 115. Mach, J. DRIVING ABILITY OF THE HANDICAPPED. Beitraege zur Orthopaedie und Traumatologie, v. 18, Mar 1971, p. 167-71. (German)

* 116. Mathias, James D. DRIVER TRAINING. Rehabilitation Record, v. 13, Jul-Aug 1972, p. 18-9.
Pennsylvania's Bureau of Vocational Rehabilitation offers driver course averaging 10 hours behind the wheel, 30 hours of classroom work, in severe cases up to 35 hours of actual driving instruction.

117. Millichamp, D. WHO CARES ABOUT THE DISABLED DRIVER? Engineering, v. 210, Aug 21-28 1970, p. 192.
Points up design defects in three-wheeled vehicles made available to disabled in Britain.

* 118. Myers, Lowell J. HOW TO GET AUTOMOBILE INSURANCE FOR THE DEAF. Insurance, v. 70, Aug 23 1969, p. 15-18.
A Chicago lawyer who has made legal interests of the deaf his special interest believes dishonest insurance brokers are taking advantage of deaf people who are in reality safe drivers.

119. NEW YORK STATE EMERGENCY FUEL OFFICE SAYS HANDICAPPED PEOPLE WHO USE CARS FOR TRANSPORTATION WILL BE EXEMPT FROM ODD-EVEN GASOLINE SALES. New York Times, Mar 7 1974, p. 28:7.

120. Rhoads, Milton D. and Paul W. Matthews. A NEW DIMENSION TO MOBILITY; NEW RESOURCES AND NEW TECHNIQUES IN TEACHING THE HANDICAPPED TO DRIVE ARE PROVING OUT IN OKLAHOMA. Highway User, Nov 1971, p. 21-3.

121. Richter, Ronald L. and William A. Hyman. RESEARCH NOTE: DRIVER'S BRAKE REACTION TIMES WITH ADAPTIVE CONTROLS. Human Factors, v. 16 no. 1, Feb 1974, p. 87-8.
Results of study show significantly shorter response time for hand-operated units than for normal foot controls.

* 122. Schweikert, Harry A., Jr. DISABLED ARE DEPENDENT ON THE AUTO. Paraplegia News, v. 23 no. 259, Mar 1970, p. 3, 16, 22.

* 123. Siegrist, H. EVALUATION OF THE FITNESS OF THE PHYSICALLY HANDICAPPED FOR DRIVING. Praxis, v. 60, Apr 27 1971, p. 537-8.

* 124. Stock, Michael and others. LICENSING THE DRIVER WITH MUSCULO-SKELETAL DIFFICULTY. Journal of Bone and Joint Surgery, v. 52-A no. 2, Mar 1970, p. 343-6.
Summary of U.S. Public Health Service guidelines for licensing medically impaired motor vehicle operators.

125. A THOUGHT FOR THE DISABLED DRIVER. Lancet, v. 2, Sep 6 1969, p. 528-9.
Disabled are being provided, in British Government assistance programs, vehicles which rarely meet their needs.

* 126. Tynan, J. SOME OF OUR BEST DRIVERS. Hartford, Conn., Dep't. of Motor Vehicles, 1970, 8 p.
Updating of special report based on question of whether physically handicapped are good or bad drivers.

* 127. Ysander, L. ILL AND HANDICAPPED AUTOMOBILE DRIVERS. Lakartidningen, Apr 14 1971, p. 1891-7. (Swedish)

* 128. Ysander, L. SICK AND HANDICAPPED DRIVERS: A STUDY ON THE RISKS OF SUDDEN ILLNESS AT THE WHEEL AND ON THE FREQUENCY OF ROAD ACCIDENTS AND TRAFFIC OFFENSES IN CHRONICALLY SICK, DISABLED AND ELDERLY DRIVERS. Acta Chirurgica Scandinavica. Supplement, v. 409, 1970, p. 1+.

B. Parking.

129. DuSautoy, H. R. CAR PARKING FOR THE DISABLED. Traffic Engineering and Control, v. 14 no. 7, Nov 1972, p. 346-7.
Britain's legislative and practical approaches to providing car parking facilities to allow drivers to maintain their employment and as normal a way of life as possible.

130. LETTER CONTENDS THAT SOME PROVISIONS MUST BE MADE FOR HANDICAPPED PERSONS IN NYC'S DRIVE AGAINST PARKING IN DOWNTOWN MANHATTAN ... New York Times, Jul 3 1973, p. 22:4.

131. NYC COUNCIL ON MAY 10 UNANIMOUSLY APPROVES BILL GRANTING WIDESPREAD PARKING PRIVILEGES TO 2000 HANDICAPPED DRIVERS ... New York Times, May 11 1972, p. 32:1.

132. NYC MAYOR LINDSAY... SAYS NYC HAS ISSUED 3200 PERMITS TO HANDICAPPED PERSONS, MANY OF WHOM PARK IN MIDTOWN ... New York Times, Aug 2 1973, p. 39:8.

133. NYC TRANSPORTATION ADMINISTRATOR SIDAMON-ERISTOFF ON JUNE 24 SAYS SPECIAL PARKING PRIVILEGES IN MIDTOWN FOR HANDICAPPED WILL BE CURTAILED UNDER PLANS BEING FORMULATED BY CITY'S TRAFFIC DEPT ... New York Times, Jun 25 1973, p. 14:3.

VII. Special Equipment.

A. Vehicles.

134. ARTICLE DESCRIBES BATTERY-OPERATED CHAIRMOBILE FOR HANDICAPPED DESIGNED BY EARL OF SNOWDON, FORMER A. ARMSTRONG-JONES. New York Times, Mar 21 1972, p. 46:1.

135. Brooks, B. M. and others. AN INVESTIGATION OF FACTORS AFFECTING THE USE OF BUSES BY BOTH ELDERLY AND AMBULANT DISABLED PERSONS. (Preston?), British Leyland Motor Corp., 1974, vi / 109 p. (Main HE 199.9.H2B86)

* 136. Cunningham, Don M. SPECIAL VEHICLES FOR THE SEVERELY DISABLED, ADJUSTABLE-HEIGHT WHEELCHAIR AND AUTO LIFT FOR THE QUADRIPLEGIC DRIVER. Berkeley, Cal., University of California, Dep't. of Mechanical Engineering, Mar 1971, 39 p. (PB 215 346/8)

It is in principle possible to design and construct adjustable-height wheelchair which can substitute for front seat of standard auto and lift to place chair in driver or occupant position.

* 137. Dunn, John H. HANDICABS: THE STORY OF A BOLD TRANSPORTATION ADVENTURE FOR THE HANDICAPPED IN MILWAUKEE, WISCONSIN. Rehabilitation Record, v. 13, Jul-Aug 1972, p. 14-7. (See also #5)

Muscular dystrophy victim operates firm responsible for transporting 1400 handicapped children daily to special classes, also individuals who can't use other transportation facilities.

* 138. Ferguson, D. TRANSPORT OF HANDICAPPED PERSONS BY CAR. Medical Journal of Australia, v. 1, Jun 8 1974, p. 914-9.

* 139. Goodwill, C. J. POWERED VEHICLES AND THE DISABLED DRIVER. Proceedings of the Royal Society of Medicine, v. 67, May 1974, p. 416-9.

* 140. Hall, M. WHAT KIND OF TRICYCLE OR CAR? Design, Nov 1969, p. 34-5.

* 141. HOW THEY COPE IN TENNESSEE. Commercial Motor, v. 134, Dec 3 1971, p. 664.

142. INVALID CARS NEED A NEW BODY - OR FOUR WHEELS. Engineer, v. 238, Apr 4 1974, p. 9.
Instability in cross winds is most serious shortcoming of present design.

143. KNEELING BUS USED IN NEW YORK TEST. Passenger Transport, v. 28 no. 3, Jan 16 1970, p. 7.
Bus will feature mechanism that will lower it to curb level enabling easier entrance and exit.

144. "KNEELING" BUSES. Passenger Transport, v. 31 no. 2, Jan 12 1973, p. 3.
Syracuse, N.Y. has 10 coaches that can be lowered nearly five inches for easier access.

* 145. Kosling, Karl B. and Evangelo M. Gerontinos. INDEPENDENCE AND MOBILITY FOR THE PHYSICALLY HANDICAPPED. American Corrective Therapy Journal, v. 27 no. 4, Jul-Aug 1973, p. 116-8.
Report of study on adult tri-wheel cycle adapted to limitations of physically handicapped hospitalized patients.

* 146. THE LONG JOURNEY BACK. Rehabilitation Record, v. 13, Jul-Aug 1972, p. 20-1.
For transportation to and from job for himself and his wheelchair, Dave Webb needed a vehicle he could enter independently and drive. Result: a self-designed, modified van.

147. LORD SNOWDON IS GRANTED PATENT FOR DEVELOPING SELF-PROPELLED VEHICLE FOR INVALID; VEHICLE REPORTEDLY IS ELECTRICALLY OPERATED ... New York Times, Jul 18 1973, p. 50:1.

* 148. NOW HANDICAPPED PERSONS CAN DRIVE A CAR RIGHT FROM THEIR OWN WHEELCHAIR. Popular Mechanics, v. 139 no. 3, Mar 1973, p. 101.

* 149. Smith, Anita P. and others. WHEELCHAIRMANSHIP PROJECT. Final Report. Minneapolis, Minn., American Rehabilitation Foundation, Apr 30 1971, 170 p. (PB 215 146/2)
Project developed course of training for employees in transportation and other fields to help them better contribute to mobility of the physically handicapped.

150. SPECIAL BUSES FOR ELDERLY AND HANDICAPPED. Metropolitan, v. 69 no. 1, Jan-Feb 1973, p. 22.
Demonstration program will use six specially designed buses with hydraulic lift, wide doors, handrails, etc.

151. SPECIAL CABS ENABLE HANDICAPPED TO WORK; HANDICABS OF MILWAUKEE. Today's Health, v. 48, Dec 1970, p. 16.
Description of project at #137.

152. Stewart, Carl F. and Herbert G. Reinl. STUDENT WHEELCHAIR TRANSPORTATION LOADING AND SECUREMENT. Sacramento, Calif., State of California Bus and Transportation Agency (CALTRANS), Aug 1974, 75 p. (Main HE 199.9.H2S84)
Presents results of study on developing specifications for "wheelchair" school buses, engineering evaluation of the equipment and discussion of possible problems related thereto.

* 153. Swedish Institute for the Handicapped. REPORT ON RESEARCH AND DEVELOPMENT OF CARS FOR SEVERELY DISABLED. Bromma, Sweden, Handikappinstitutet, 1971.

154. THREE-WHEELER CONVERSION HELPS THE DISABLED. Engineering, v. 208 no. 5392, Aug 29 1969, p. 207.
Several types of three-wheeled British vehicles are being converted for operation by either normal or handicapped drivers.

155. TRANSPORTATION FOR THE HANDICAPPED. Highway User, Nov 1969, p. 9.
"Medicar" allows up to three handicapped persons to ride seated in their wheelchairs, provides ramp access.

* 156. TRANSPORTATION PLUS FOR HANDICAPPED (HANDICABS, MILWAUKEE). School Bus Fleet, Aug-Sep 1972, p. 20-4. (See also #137)

157. WITH DOT'S APPROVAL, BUSES WILL HAVE LIFTS FOR HANDICAPPED. American City, v. 88 no. 6, Jun 1973, p. 28.
BART has requested DOT grant to finance 2/3 of proposed operation costs of 32 new buses with lifts for wheelchair use.

B. Assistive.

* 158. American Automobile Association. VEHICLE CONTROLS FOR DISABLED PERSONS. Washington, D.C., AAA, Traffic Engineering and Safety Dep't., Jun 1969.

* 159. Deyoe, F. S. and V. W. Andersen. WHEELCHAIR-CAR TRANSFERS FOR QUADRIPLEGICS. American Corrective Therapy Journal, v. 24, Sep-Oct 1970, p. 130-2.

* 160. Freeman, C. C. EVALUATION OF ADAPTIVE AUTOMOTIVE DRIVING AIDS FOR THE DISABLED. Bulletin of the New York Academy of Medicine, v. 50, Apr 1974, p. 536-44.

* 161. Henshaw, J. T. A CAR TO CHAIR LIFT: DESIGN OF A PROTOTYPE. Biomedical Engineering, v. 5, Aug 1970, p. 398-400.
With little maintenance and safe operation, equipment makes possible a dignified and quick transfer from car to chair and vice versa so that disabled persons are once again independent and free to travel.

* 162. Jolicoeur, Roger. WHEELCHAIRMANSHIP. Rehabilitation Record, v. 12, Jan-Feb 1971, p. 33-5. (See also #149)
Program by American Rehabilitation Foundation to educate people in key public service industries, including transportation, to better serve persons with physical disabilities.

163. Lehneis, H. R. and others. DRIVER EDUCATION FOR THE PHYSICALLY DISABLED: DRIVING AIDS: DESIGN AND DEVELOPMENT. Medical Clinics of North America, v. 53, May 1969, p. 689-92.
Illustrations of number of assistive devices developed for individual patients, found useful for many.

164. LIFT FOR HANDICAPPED. Traffic Engineering, v. 40 no. 7, Apr 1970, p. 19.
Proposed design for funicular lift to serve handicapped in Washington, D.C., rapid transit system.

* 165. Stupp, George Bernard, Jr. MINIMAX DESIGN OF A DISCRETE RATE HIGHWAY VEHICLE STEERING CONTROL. Master's thesis. Urbana, Ill., University of Illinois, Coordinated Sciences Laboratory, Aug 1971, 68 p. (AD 730 119)
Problem of road vehicle steering for the severely disabled is discussed and a discrete rate steering control proposed.

* 166. TRAVEL FOR THE SEVERELY DISABLED. 2d ed. London, Joint Committee on Mobility for the Disabled, May 1970, 11 p.
How to get in and out of a vehicle; list of ancillary equipment; car and van conversion possibilities.

VIII. Transportation and the Blind.

167. American Foundation for the Blind. TRAVEL CONCESSIONS FOR BLIND PERSONS. Rev. New York, the foundation, n.d., 12 p.
Discussion of program of reduced fares for rail and bus travel, eligibility and application instructions.

168. ARTICLE ON THE BLIND AS TOURISTS. New York Times, Apr 26 1970, Section X, p. 3:1.

169. IN ROCHESTER (N.Y.) SPECIAL INSTRUCTORS TEACH BLIND TO RIDE. Passenger Transport, v. 30 no. 16, Apr 21 1972, p. 3.
Blind learn to ride alone with use of guide sticks and special card systems, specially trained instructors and cooperation of the transit system.

170. Leonard, J. A. and R. C. Newman. THREE TYPES OF "MAPS" FOR BLIND TRAVEL. Ergonomics, v. 13, Mar 1970, p. 165-79.

171. A NEW WORLD AT THEIR FINGERTIPS. (By) J. Alvin Kugelmass. New York Times, Apr 26 1970, Section XX, p. 3:1.

* 172. Rhea, K. NOTES ON TRAVEL ADJUSTMENTS FOR THE BLIND. American Corrective Therapy Journal, v. 24 no. 1, Jan-Feb 1970, p. 25-9.

* 173. Rhea, K. and others. TRAVEL ADJUSTMENT OF A BLIND NEURO-PSYCHIATRIC PATIENT. American Corrective Therapy Journal, v. 23 no. 3, May-Jun 1969, p. 74-7.

IX. Transportation and the Elderly.

* 174. Andryshak, Richard and John Crain. TRANSPORTATION AND OLDER PERSONS. Washington, D.C., U.S. Dep't. of Transportation, Urban Mass Transportation Administration, Apr 1971. Processed.

* 175. Ashford, Norman and Frank M. Holloway. THE EFFECT OF AGE ON URBAN TRAVEL BEHAVIOR. Tallahassee, Fla., Florida State University, Transportation Center, Jun 30 1970, 207 p. (PB 196 843)

Study shows elderly can exhibit high demand for mobility but at other than peak hours and are therefore not well served by transportation facilities that provide maximum mobility to average resident at minimum cost.

* 176. _____. TRANSPORTATION PATTERNS OF OLDER PEOPLE IN SIX URBAN CENTERS. Gerontologist, v. 12 no. 1, Spring 1972, p. 43-7.

Summarizes study at #175.

177. _____. VARIATION OF URBAN TRAVEL CHARACTERISTICS WITH AGE. Transportation Engineering Journal (American Society of Civil Engineers), v. 98, TE-3 no. 9124, Aug 1972, p. 715-32. (See also #175)

* 178. Byerts, T., A. M. Guillemard and others. TRANSPORTATION. Gerontologist, v. 12 no. 2, Summer 1972, p. 11-16.

* 179. Cameron, D. C. THE HAZARDS OF OCEAN CRUISES FOR THE ELDERLY AND INFIRM. Scottish Medical Journal, v. 17, May 1972, p. 169-71.

Sea travel can be rewarding for elderly healthy people but supervised air flight to a stable environment may be better for ill or infirm.

* 180. Case, Harry W. and others. DRIVING ABILITY AS AFFECTED BY AGE. Los Angeles, Cal., University of California, Institute of Transportation and Traffic Engineering, Mar 1970, 158 p. (PB 193 927)

Two groups, under and over 51, were tested on several performance judgmental conditions. Generally judgmental skills do not decline with age (until senility) and most older drivers make compensatory changes in driving habits to coincide with known physiological deterioration.

181. Carp, Frances M. AUTOMOBILE AND PUBLIC TRANSPORTATION FOR RETIRED PEOPLE. IN Highway Research Board. Highway Research Record No. 348, 1971, p. 182-91. (Main TE 5.3.H5A31 no. 348)

Study finds trends in speed and complexity of traffic tend to lower ex-driver-status age and public transport does not meet needs. Unless transportation is devised to support mobility during retirement, this segment of life will be lonely and inactive instead of self-fulfilling and socially contributive.

* 182. _____. CORRELATES OF MOBILITY AMONG RETIRED PERSONS. IN Proceedings of Second Annual Environmental Design Research Conference. Edited by J. Archea and C. Eastmen. Pittsburgh, Pa., Carnegie-Mellon University Press, 1970.

* 183. _____. MOBILITY AMONG MEMBERS OF AN ESTABLISHED RETIREMENT COMMUNITY. Gerontologist, v. 12 no. 1, Spring 1972, p. 48-56.
Residents of retirement community have better mobility than their counterparts elsewhere and have more stimulating and satisfying milieu.

* 184. _____. MOBILITY OF OLDER SLUM DWELLERS. Gerontologist, v. 12 no. 1, Spring 1972, p. 57-65.
Mobility patterns in a redevelopment area were predictable on basis of ethnicity and social class but decisive factors seemed to be hardware and software of transportation system.

* 185. _____. PUBLIC TRANSIT AND RETIRED PEOPLE. IN Transportation and Aging. Edited by Edmund J. Cantilli and June L. Shmelzer. Washington, D.C., U.S. Gov't Printing Office, 1971, p. 82-92. (See also #23)
Study of retired persons in San Antonio, Texas, reveals infrequent use of public transportation system because of difficulties encountered. Improvements in equipment and services designed to meet needs of elderly and handicapped may make use of public transportation more attractive to non-handicapped as well.

* 186. _____, RETIRED PEOPLE AS AUTOMOBILE PASSENGERS. Gerontologist, v. 12 no. 1, Spring 1972, p. 66-72.
Retired people need flexible transportation, i.e., pick up at home, delivery to destination and return. This should be offered by public or private agencies to supplement help of family and friends.

* 187. _____. RETIREMENT TRAVEL. Gerontologist, v. 12 no. 1, Spring 1972, p. 73-8.
For most elderly, trips are infrequent, travel conditions

far from ideal and transportation options narrowing because of speed and complexity.

* 188. _____. TRANSPORTATION. Gerontologist, v. 12 no. 2, Summer 1972, Part II, p. 11-16. (See also #54)
Transportation was surprise "sleeper" topic of White House Conference on Aging, ranking third after income and health. Discusses recommendations of the conference.

* 189. _____. TRANSPORTATION AND THE OLDER PERSON. PERTINENT REFERENCES FROM THE SOCIAL SCIENCES AND OTHER LITERATURE. San Francisco, Calif., Langley-Porter Neuropsychiatric Institute, May 1970.

190. CHICAGO YMCA SENIOR TRANSPORT SERVES 1606, AIDS 48 AGENCIES. Aging, No. 186, Apr 1970, p. 7-8.

191. Cutler, Stephen J. THE AVAILABILITY OF PERSONAL TRANSPORTATION, RESIDENTIAL LOCATION, AND LIFE SATISFACTION AMONG THE AGED. Journal of Gerontology, v. 27 no. 3, Jul 1972, p. 383-9.
Studies indicate that availability of personal transportation is linked to higher life satisfaction.

192. ELDERLY FARE $5 PER MONTH. Passenger Transport, v. 29 no. 25, Jun 18 1971, p. 8.
Dallas Transit System issues ID card for senior citizen reduced fare program.

* 193. ELDERLY RIDERSHIP AND REDUCED TRANSIT FARES: THE CHICAGO EXPERIENCE. Chicago, Ill., Dep't. of Human Resources, Division for Senior Citizens, Aug 1970, 28 p. (PB 209 228)
Survey to determine impact of reduced fare program on both elderly and transportation system itself, as well as to provide systematic data to enable other municipalities to determine feasibility of such a program.

194. ELECTRIC BUS TRANSPORTS AGING IN WISCONSIN PROJECT. Aging, No. 223, May 1973, p. 16.
Dial-a-bus transport for older people is electric battery powered, radio dispatched and features foldout ramp.

* 195. Environmental Design Group. PLAN TO IMPROVE TRANSPORTATION FOR THE ELDERLY IN ORANGE, SEMINOLE AND OSCEOLA COUNTIES. Winter Park, Fla., 1973, 55 p. (PB 230 992) (Main HE 4487.F6E79)

$583,000 demonstration project to increase mobility of elderly and their consequent opportunity for fuller participation in community life.

* 196. Finesilver, Sherman C. THE SENIOR DRIVER IN THE UNITED STATES: A FINAL REPORT ON LICENSING, DRIVING RECORD, TRAINING AND INSURABILITY, INCLUDING COMPENDIUM OF SIGNIFICANT FINDINGS. Denver, Colo., University of Denver, Mar 2 1970, 42 p.

* 197. Friedsam, H. J. and C. A. Martin. TRAVEL BY OLDER PEOPLE AS A USE OF LEISURE. Gerontologist, v. 13, Summer 1973, p. 204-7.

198. Hoel, Lester A. and Ervin S. Rozner. IMPACT OF REDUCED TRANSIT FARES FOR THE ELDERLY. Traffic Quarterly, v. 26 no. 3, Jul 1972, p. 341-58. (See also #214)
Examines only ridership behavior of elderly presently served by public transit, Allegheny County, Pa. Substantial increase in ridership and gain in new riders shown as result of fare reduction.

199. HOW SAFE ARE SENIOR DRIVERS? Traffic Safety, Apr 1969, p. 20-1.
Study of aging drivers by University of Denver College of Law enhances older driver's image. (See also #196)

200. Markovitz, Joni K. TRANSPORTATION NEEDS OF THE ELDERLY. Traffic Quarterly, v. 25 no. 2, Apr 1971, p. 237-53.
Surveys travel patterns of elderly to determine intensity of their transportation demand, how well this demand is met, and whether their mobility can be improved through better transportation.

* 201. Morlok, Edward K. and others. THE EFFECT OF REDUCED FARE PLANS FOR THE ELDERLY ON TRANSIT SYSTEM ROUTES. Final Report. Evanston, Ill., Northwestern University, Transportation Center, Mar 1971, 205 p. (PB 204 058)
Develops a methodology for estimating effect; deals with specifics of changes in revenue, quality of service, route patterns, costs, etc.

* 202. _____, Summary. 1971, 32 p. (PB 204 059)

* 203. National Old People's Welfare Council. AGE CONCERN ON TRANSPORT. London, the council, July 1971, 32 p.

204. Notess, Charles B. and Robert E. Paaswell. DEMAND ACTIVATED TRANSPORTATION FOR THE ELDERLY. Transportation Engineering Journal (American Society of Civil Engineers), v. 98, TE-4 no. 9320, Nov 1972, p. 807-21.
Buffalo Model Neighborhood Area Jitney Experiment provides information on user travel characteristics and demand.

205. PENNSYLVANIA STARTS FREE LOCAL TRANSIT PROGRAMS FOR ELDERLY. Aging, No. 226, Aug 1973, p. 7.
Service during off-peak hours funded by grants from state lottery fund.

206. Pignataro, Louis J. and Edmund J. Cantilli. TRANSPORTATION AND THE AGING. Traffic Engineering, v. 41 no. 10, Jul 1971, p. 42-6.
Report on interdisciplinary workshop in Washington, D.C., May 1970 to review and evaluate current programs and make recommendations for the future. (See also #23)

207. Planek, Thomas W. and Richard C. Fowler. A CLOSER LOOK AT THE OLDER DRIVER. Traffic Safety, May 1969, p. 8-11+.
Points up accident-related problems that are particularly acute for elderly. Training courses should stress need to reduce exposure to difficult, high-speed situations, limit interaction with traffic in other lanes and adapt responses to these situations to aged drivers' capabilities.

208. Planek, Thomas W. and Robert B. Overend. PROFILE OF THE AGING DRIVER: WHO HE IS, WHEN, WHERE, HOW HE DRIVES. Traffic Safety, Jan 1973, p. 8-10+.
By driving fewer total miles, fewer difficult miles and at lower speeds, aging driver appears to be compensating for physical deficits of age and has accidents that are less serious by type, less frequent at above-average speeds and less alcohol-connected.

* 209. Polytechnic Institute of Brooklyn. EFFECTS OF REDUCED FARE ON SENIOR CITIZEN BUS RIDERSHIP IN NEW YORK CITY. Final Report. Brooklyn, N.Y., PIB, Division of Transportation Planning and Engineering, Nov 1969.

210. _____ SUMMARY OF RECOMMENDATIONS OF THE INTERDISCIPLINARY WORKSHOP ON TRANSPORTATION AND THE AGING. Washington, D.C., May 24-6 1970. Brooklyn, N.Y., PIB, Division of Transportation Planning, Jul 1970, 11 p. (Main HE 199.9.A4C65 1970) (See also #23)

* 211. Rachlis, David. DEVELOPING TRANSPORTATION SERVICES FOR OLDER PEOPLE. Prepared for U.S. Office of Economic Opportunity by the National Council on Aging. Washington, D.C., 1970, ii + 84 p.

212. REDUCED SENIOR TRANSIT FARES NOW AVAILABLE IN 50 CITIES. Aging, No. 188, Jun-Jul 1970, p. 17.

213. Roed, O. J. SAN DIEGO'S SENIOR CITIZEN PEDESTRIAN SAFETY PROGRAM. Traffic Digest and Review (Northwestern University, Traffic Institute), v. 19 no. 8, Aug 1971, p. 14.
"Save our seniors" program increases safety awareness, reduces traffic fatalities.

214. Rozner, Ervin S. and Lester A. Hoel. IMPACT ON TRANSIT RIDERSHIP AND REVENUE OF REDUCED FARES FOR THE ELDERLY. Pittsburgh, Pa., Carnegie-Mellon University, Transportation Research Institute, Jul 1971, 43 p. (PB 204 432) (See also #198) (Main HE 4487.P4R6)
Plan for elderly in Pittsburgh, Pa., and its effects on transit usage and revenues.

*215. Shmelzer, June L. and Marion J. Taves. MOBILITY, TRANSPORTATION AND AGING. A paper presented to the 23d Annual Conference on Aging. Ann Arbor, University of Michigan, Institute of Gerontology, 1970. (unpublished)

*216. Swain, Ryland. TRENDS IN TRANSPORTATION. MOVING WITH THE AGING. Rehabilitation Record, v. 13, Jul-Aug 1972, p. 22-5.
Brief overview of programs, legislation, grants, conferences on upgrading transportation for elderly.

217. THIRTY-FOUR CITIES FROM COAST TO COAST NOW HAVE LOW SENIOR FARES: SAVINGS AVERAGE 10-15¢. Aging, No. 186, Apr 1970, p. 9.
Includes list arranged alphabetically by state.

218. TRANSPORT FOR ELDERLY PROBLEM NOW AND FOR FUTURE, MARTIN SAYS. Aging, No. 186, Apr 1970, p. 6.
U.S. Commissioner on Aging outlines eight areas in which research is needed.

219. Transportation Conference, 3d, St. Petersburg Beach, Fla., 1973. NEW DIRECTIONS IN PLANNING AND ACTION IN TRANSIT PROGRAMS FOR THE TRANSPORTATION DISADVANTAGED; proceedings of the Third Annual Transportation Conference. Tallahassee, Fla., 1973, 3 v. (Main HE 4487.F6A23 1973)

Sponsored by Florida's Dep'ts. of Health & Rehabilitative Services, Transportation, and Community Affairs, and the Florida State University Dep't. of Urban and Regional Planning.

220. Transportation Conference, 2d, St. Petersburg Beach, Fla., 1972. TOWARDS A WORKING PARTNERSHIP IN TRANSIT PROGRAMS FOR THE TRANSPORTATION DISADVANTAGED; proceedings of the Second Annual Transportation Conference. Tallahassee, Fla., 1972, 163 1. (Main HE 4487.F6A23 1972)
Sponsorship as for #219.

221. TRANSPORTATION FOR OLDER AMERICANS STARTS IN PRINCE GEORGES COUNTY. Aging, No. 186, Apr 1970, p. 4-5.
Under grant from Maryland Commission on Aging, former school buses used for transport to community recreational center.

222. TRANSPORTATION OF THE ELDERLY (TOTE); A PILOT PROJECT TO DEVELOP MOBILITY FOR THE ELDERLY AND THE HANDICAPPED. Interim Report. Tallahassee, Fla., Dep't. of Transportation, 1974, 51 p. (Main HE 4491.S22T83 1974)
Conducted in 10 square mile area housing 30,000 persons, demonstration provided reservation, subscription, demand-response and rent-a-bus door to door service.

223. UMTA PROGRAMS THAT CAN ASSIST THE ELDERLY. Highway and Urban Mass Transportation, Winter 1972, p. 35-6.
Funding available through UMTA for studies, research, development and demonstration, and service development projects.

224. VOLPE PROMISES DOT AID FOR AGED. Passenger Transport, v. 29 no. 50, Dec 10 1971, p. 4/.
In speech before White House Conference on Aging (see #54), Secretary of Transportation points out research and demonstration projects aimed at improving mobility for elderly.

225. Wiener, Earl L. LICENSING THE ELDERLY DRIVER -- LEGAL AND SCIENTIFIC PROBLEMS. Traffic Safety, May 1973, p. 8-11/.
The older driver must not be discriminated against, removed from the road without cause, or intimidated into voluntary surrender of his license for invalid reasons, since transportation is an essential element in insuring the quality of life of the elderly.

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